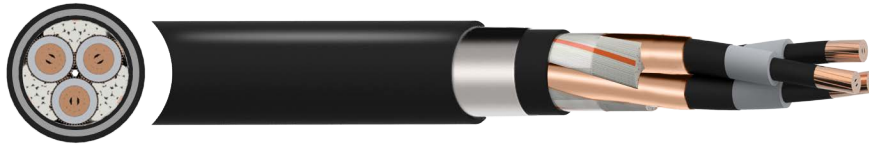




## XHIAV 18/30kV Cable



Eland Product Group: MP44

### APPLICATION

Portuguese reference Medium Voltage cable for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages up to 18 kV. Suitable for fixed installations, directly buried. Good mechanical protection.

### CHARACTERISTICS

#### Voltage Rating $U_0/U$ (Um)

18/30 (30) kV

#### Temperature Rating

Conductor maximum operating temperature: 90°C  
Maximum short-circuit temperature: 250°C

#### Minimum Bending Radius

During installation: 15 x overall diameter  
After installation: 10 x overall diameter

### CONSTRUCTION

#### Conductor

Class 2 Copper, circular, stranded conductor

#### Conductor Screen

Semi-conductive XLPE (Cross-Linked Polyethylene)

#### Insulation

XLPE (Cross-Linked Polyethylene)

#### Insulation Screen

Semi-conductive XLPE (Cross-Linked Polyethylene)

#### Metallic Screen

Copper tape screen

#### Bedding

PVC (Polyvinyl Chloride)

#### Armour

STA (Steel Tape Armoured)

#### Sheath

PVC (Polyvinyl Chloride)

#### Sheath Colour

● Black

### STANDARDS

IEC 60228, IEC 60502-2  
Flame retardant to IEC 60332-1-2

### ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578



FS 672069



EMS 672067



OHS 672066

### REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



RoHS 672067





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Over Insulation	Overall	
MP4430KV03050	3	50	26.0	76.0	7595
MP4430KV03070	3	70	28.0	80.5	8730
MP4430KV03095	3	95	29.5	86.0	10845
MP4430KV03120	3	120	31.5	90.0	12105
MP4430KV03150	3	150	32.5	92.5	13170
MP4430KV03185	3	185	33.5	95.5	14725
MP4430KV03240	3	240	36.5	102.0	17205
MP4430KV03300	3	300	39.0	108.0	19950
MP4430KV03400	3	400	42.0	115.0	23760

## ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY Amps		CONDUCTOR MAXIMUM SHORT-CIRCUIT CURRENT, T=1S kA	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C ohm/km	INDUCTANCE mH/km	CAPACITANCE μF/km
		In air	Buried				
3	50	205	209	7.5	0.3870	0.45	0.14
3	70	253	255	10.0	0.2680	0.41	0.16
3	95	307	304	13.6	0.1930	0.39	0.18
3	120	352	345	17.2	0.1530	0.38	0.19
3	150	397	388	21.5	0.1240	0.36	0.20
3	185	453	437	26.5	0.0991	0.35	0.21
3	240	529	503	34.3	0.0754	0.34	0.24
3	300	599	563	42.9	0.0601	0.32	0.26
3	400	683	631	57.2	0.0470	0.31	0.29

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.